USER MANUAL

IR Camera Series

Please read the instructions thoroughly before using the product.

CAUTION

RISK OF ELECTRIC SHOCK

CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.

Only operate this apparatus from the type of power source indicated on the label.

The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

ROHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

CE Mark

This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error-free. We reserve the right to revise or remove any content in this manual at any time.

FEATURES

1. High resolution of 520 TV Lines (Model 2 Only)
2. High sensitivity in the dark environment, 0.1 Lux / F2.0, 0 Lux (IR ON)
3. Day and night features for 24-hour surveillance
4. IR distance: up to 40 meters with 56 IR LEDs
5. IP67, suitable for outdoor use

PACKAGE CONTENT

- IR camera * 1
- Bracket * 1
- User Manual * 1

SPECIFICATIONS*

MODEL	Model 1	Model 2
Pick-up Element	1/3" Color CCD	1/3" H.R. Color CCD
Number of Pixels	512(H) x 492(V) <NTSC> / 512(H) x 582(V) <PAL>	768(H) x 494(V) <NTSC> / 752(H) x 582(V)) <PAL>
Resolution	Standard	520TVL
Min. Illumination	0.1 Lux / F2.0, 0 Lux (IR ON)	
IR LED	56 units	
IR Effective Range	Up to 40 meters	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.	
Lens	f6.0mm / F2.0	
Lens Angle	54°	
White Balance	ATW	
AGC	Auto	
IRIS Mode	AES	
IP Rating	IP67	
Video Output	1.0Vp-p composite, 75Ω	
Operating Temperature	-20℃~40℃	
Power Source (±10%)	DC12V	
Current Consumption (±10%)	70mA (IR OFF), 590mA (IR ON)	
Dimensions (mm)**	115.6(Ø) × 216.4(H)	

* The specifications are subject to change without notice.
** Dimensional Tolerance: ± 5mm

INSTALLATION

1. Find the bracket and bracket base from the sales package, and assemble them. (Figure 1)
2. For hiding the video and power cables behind the wall, drill a hole on the wall where you want to install the camera for the cables to go through.
   For arranging the video and power cables along the wall, please skip to Step 3.
3. Attach the bracket base to the wall where you want to install the camera with three screws.
4. Find the joint lock of the bracket from the sales package, and fasten it to your camera. (Figure 2)
5. Screw the camera with the joint lock to the bracket.
6. For hiding the video and power cables behind the wall, pass the video and power cables from the hole on the bracket as indicated in Figure 3.
   For arranging the video and power cables along the wall, please skip to Step 7.
7. Fasten the camera with the joint lock to the bracket.
8. Adjust the viewing angle of the camera, and fasten the joint lock to fix the angle.

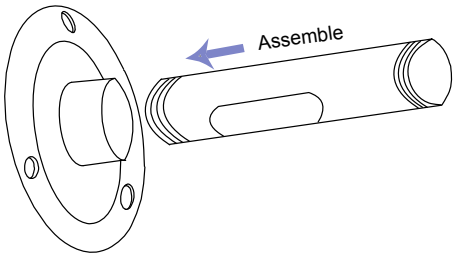

Figure 1

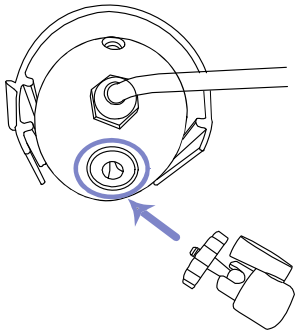

Figure 2

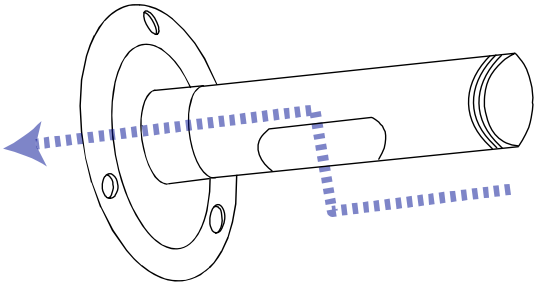

Figure 3

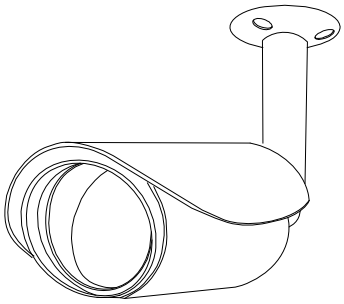

Figure 4

CONNECTION

1. DC12V Input Terminal
   Connect the power terminal of the camera to a DC 12V regulated power supply.

NOTE: Please use the correct power adaptor, DC12V (regulated), to operate this unit. The power tolerance of this unit is DC12V ± 10%. Over maximum DC 12V power input will damage this unit.

2. Video Output Connector (VIDEO OUT)
   Connect the camera video output and the monitor video input with 75Ω coaxial cable.

NOTE: To ensure the camera has sufficient protection against moisture, an extra waterproof measure, such as by using an insulating tape, must be used to cover the power and video connectors after connection.